

tgatcaggct ctgtacttat atccacatgt agtgcagcag gtggtggaga tgtctctgat 300  
 aagttggggg ttgatactgg ttcgatatcat ttgcagtgat gttccccgc tgccttaaat 360  
 tgctattgat ccatcattaa ctataggttt ttactcgccc ggaataagac aatcttttga 420  
 cacttggtgc ttgggtcac 439

<210> 167  
 <211> 289  
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 <213> Pinus taeda

<400> 167  
 aggtgaccgt ggcgcctgac ctgtgcagaa tccattctca tggatacaat actgttaagt 60  
 ttgcttttgc ttgcttgaag gatctgaatt gaaaaattgt cccacaatt ctgtttcggt 120  
 aaaaatgacc tcaatcactc tcgacagttt ccagatcttg attgggagcg tcctctctctc 180  
 tctcaagatg ttgttgacca aattcagggc gacttggtggc cagaaatcgt acattctgcc 240  
 atctacctgt tattgagctc cccgatttat atgcgctttt gacgggtcac 289

<210> 168  
 <211> 314  
 <212> DNA  
 <213> Pinus taeda

<400> 168  
 aggtgaccgt caataccatt aaactgggga ttctgtctca caagtcaaca tgctaacctc 60  
 acagctccaa tcaacaacg tccgtcgaag ggcgtcaca ctcatccaaa ttacttccct 120  
 ctgcaagact caaaaaatca gattcttcat gaattgctca aacgaggctg ttatggatga 180  
 tgcagctgat tactcaagt acagcactct gaatccccgt cccatatata gcgacgcggc 240  
 gtttcagccg tgactggctc caacagcctc agtgggacaa aaggccagaa gcccccaag 300  
 gttctcacgg tcag 314

<210> 169  
 <211> 242  
 <212> DNA  
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<400> 169  
 aggtgaccgt gtcgatgttg ttagatgtga ttagggtttt atttcttgat acagatgcac 60  
 tgtttctctg tttattcttt tatttcttca atgtatgttg tcaaatata cttagtcaga 120  
 tctcctttta tcgttcgtca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagtttaaca 180  
 attaaaagg gaaattagc catatcagct tgctgatgg acccatatgc actgtaggct 240  
 ac 242

<210> 170  
 <211> 195  
 <212> DNA  
 <213> Pinus taeda

<400> 170  
 aggtgaccgt atgcagagtc aaggtttagt tccttcagag cctgcccag tagcactgag 60  
 gcagctcaag ccatttcacg taggaagccc acaacaaat agaaatcaga gtgagtcctt 120  
 gatcgagtaa ccataagtt cttagctccc gttccatctt aacataagca tttttctctg 180  
 tttctctgca gccgt 195

<210> 171  
 <211> 217  
 <212> DNA  
 <213> Pinus taeda

<400> 171  
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 ctctggaatt gattcccgtt tctgatgata tcgtacggct aagctcagct cttcaggcat 120  
 tggcagacaa tacgattcct caaatgagat gacagatddd aagaaactta taggatgaca 180  
 tatttcctag cttgaagcgg attcccccta cggtcac 217

<210> 172  
 <211> 381  
 <212> DNA  
 <213> Pinus taeda

<400> 172  
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 aacgattaaa gcctaacccc aagatcgttg agtaaattta acccggtaac ctccacataa 120  
 aatatactta gcaacaataa actcaacaac taaactatcc ctttaaaatt aaattatcct 180  
 tattttattta aaaaaacaaa tcctttatat actaagggtcc cctgcacatc tattactaag 240  
 gtaaaggaag ggaattatat gctatcattg taaactttga cttccgtatt tatgatcaga 300  
 ccatgagttt gataattaat ttacgctct ttactcccca ttcaaggcac gtgcctggtg 360  
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<210> 173  
 <211> 498  
 <212> DNA  
 <213> Pinus taeda

<400> 173  
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 cttgtaaaata tacaaaagaa actctcacia ggagtgaaga gcactaaggc ccttggaaaag 120  
 aatacgtttc tattcagcgg agtgatattt gagctacggc ttggcacaac tcacacctata 180  
 aaacaagact ctgtgagagg gcagagacct tgatcctggg cgtggcaagc cgggtgccta 240  
 ttgcggtaaa atcgagaagg gggaccctgg aaaagagagg ctgaaatttg tttcattctg 300  
 caactgaaac ctaaccggag gccgaatctg atcatttcta agacctttgg ggtcctgggc 360  
 atccattata aagaacgctg ctaactctcc cctccacaaa gggccaatgc gctcaggctg 420  
 ggcttctcat cttcacattt cttgccgaaa tctatctgaa tttgttgtat tgaataaacac 480  
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<210> 174  
 <211> 604  
 <212> DNA  
 <213> Pinus taeda

<400> 174  
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 tgggccccct ccacctcgg ggggcaagcc gggaacgttg ctgtcagacg aggcgaggac 120  
 ctggaactgc cgttgaagga acggttctat attcagcccc tctcggcggg ccaggcgtg 180  
 cgagagccaa ggaatccgag gaagcaaatc ctggagggtga aaaagctgat agataaaaagg 240  
 cgtggccgta cgtccagaac gacctcgtc ccaaggcttc ttaccttcgc tacgactcaa 300  
 caccgttatc tctcaaaagc ccaaggaaca gaaaaaaccc ctcaaaacct caccctaaag 360  
 cttttttgac acccttgaca aacctggact acgctgcaag gagccaagga taccctaaag 420  
 gcagaaaaaa tactttgcag aagctgggtga accgcctta atgatgttca ttccaagctt 480

ggttaagctg tattgcactc attgttaacc acacttaacg ccaatccaat ctatgctgtg 540  
 ttgcatctcc acttcttagt taataacgtt ctgtgttccc aaactctgtg ccacacacgg 600  
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<210> 175  
 <211> 561  
 <212> DNA  
 <213> Pinus taeda

<400> 175  
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 gaaatcaa ataaattcaacc aaactcaa ataatgatca tgtgtctctc accttctcag 120  
 caaactcgta gagcagaaaa aaggattatg ttaaatcaca gttcacacat tagggtaaat 180  
 cccactaaa gacctctctt cattatccaa gtatctgaca ccaacatatt tcaaacaaat 240  
 agtgcaaaaa ggaatgggtga agtaaaatag tcaaaaactaa aaaataagct taaaatttct 300  
 cacatgtttg aatatgtgca ccacaaattt tgttagtgtc atcaaaatgc atgtaatcaa 360  
 cttgcctgtg atataatttc acacaatatc cgtaaaattt tgcaattcct tatgagcatt 420  
 tcatgtctag agattgcaat gacttgggta caaacatgtt tctctacaca agatcacaaat 480  
 atttagtcag gacacgaatt gcaatgggga ttctcacaag catcacaagt catctcccat 540  
 gtactaaaaa attgttttaa t 561

<210> 176  
 <211> 382  
 <212> DNA  
 <213> Pinus taeda

<400> 176  
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 cttcgatata gtcacatcgag agcaacagag atccagatca aaaaccagac acagtttaag 120  
 aacatcgaaa taccaagccc agggacagtt accagcatat agctctacca ccaacagatt 180  
 attacagaac caaaacataa gaccacttgc agacaaaaat aaaccctaac gcagaacgtg 240  
 gcaactatct cctccagcta ccaccatcgg aaccaccacc accatagcga gaaccccacc 300  
 accaccatag ccgccaccgc caccaccata accaccacca ccaccaccac tgtaccgcca 360  
 ctaccgccat aaccacgggc ac 382

<210> 177  
 <211> 196  
 <212> DNA  
 <213> Pinus taeda

<400> 177  
 aggtgaccgt ccttggagat accagcttca aaacctccag tgggtggagtc gatgatcaaa 60  
 ctgcacagtc agcctgagat gttccagtaa tcatgttctt gataaaatca cgtatggccgg 120  
 ggcatcaatc acagtgcagt agtatttagt tgtctcaaac ttccagagtg caatatcatt 180  
 gtgataccac ggtcac 196

<210> 178  
 <211> 141  
 <212> DNA  
 <213> Pinus taeda

<400> 178  
 aggtgaccgt atagtaggaa ctttaggtgc tttgggtggca ctctccaatt ttcattgtcct 60  
 tacatacccc actacggaga agggtagccc aagatttgaa cccaagactt ccggttcgtg 120